

022004  
1592 US PTO

**UTILITY  
PATENT APPLICATION  
TRANSMISSION**

Our Docket No.: Date: February 20, 2004

34091/AJT (465403- )

First Named Inventor: PETER C. SALMON

Title: COPPER-FACED MODULES, IMPRINTED COPPER CIRCUITS, AND THEIR APPLICATION TO SUPERCOMPUTERS

Express Mail No.: EV 182098341 US

US PTO  
10/783662

022004

**ADDRESS TO:**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

22141

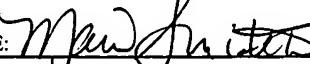
**APPLICATION ELEMENTS**

- |   |  |  |
|---|--|--|
| 1. <input checked="" type="checkbox"/>  | Fee Calculation Sheet<br>(Submit an original and a duplicate for fee processing)   | 7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)  |
| 2. <input checked="" type="checkbox"/>  | Applicant claims small entity status   | 8. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission<br>(If applicable, all necessary)   |
| 3. <input checked="" type="checkbox"/>  | Specification Total Pages: 27 <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Descriptive title of the invention</li> <li><input checked="" type="checkbox"/> Cross References to Related Applications</li> <li><input type="checkbox"/> Statement Regarding Fed. Sponsored R&amp;D</li> <li><input type="checkbox"/> Reference to Microfiche Appendix</li> <li><input checked="" type="checkbox"/> Background of the Invention</li> <li><input checked="" type="checkbox"/> Brief Summary of the Invention</li> <li><input checked="" type="checkbox"/> Brief Description of the Drawings</li> <li><input checked="" type="checkbox"/> Detailed Description</li> <li><input checked="" type="checkbox"/> Claims</li> <li><input checked="" type="checkbox"/> Abstract of the Disclosure</li> </ul> | a. <input type="checkbox"/> Computer Readable Form (CRF)   |
| 4. <input checked="" type="checkbox"/>  | Formal Drawings (35 U.S.C. 113) Total Sheets: 19   | b. <input type="checkbox"/> Specification Sequence Listing on: <ul style="list-style-type: none"> <li>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or</li> <li>ii. <input type="checkbox"/> paper</li> </ul> |
| 5. <input checked="" type="checkbox"/>  | Oath or Declaration and P.O.A. Total Pages: 3 <ul style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> Newly Executed (original or copy)</li> <li>b. <input type="checkbox"/> Copy from a prior application (37 C.F.R. 1.63(d)) (for continuation/divisional with Box 19 completed)               <ul style="list-style-type: none"> <li>1. <input type="checkbox"/> <b>DELETION OF INVENTORS</b><br/>Signed statement attached deleting inventor(s) named in the prior application (37 C.F.R. 1.63(d)(2) and 1.33(b))</li> </ul> </li> </ul>   | c. <input type="checkbox"/> Statement verifying identify of above copies   |
| 6. <input checked="" type="checkbox"/>  | Application Data Sheet (37.C.F.R. 1.76)  | 9. <input type="checkbox"/> Certification Under 35 U.S.C. 122(b)(2)(B)(i)  |
| 19. <input type="checkbox"/> If a <b>CONTINUING APPLICATION</b> , check appropriate box and supply the requisite information:<br><input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP)    of prior Application No.: | 10. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))   |  |
|   | 11. <input type="checkbox"/> 37 C.F.R. 3.73(b) Submission  | 12. <input checked="" type="checkbox"/> Power of Attorney (signed)   |
|   | 13. <input type="checkbox"/> English Translation Document (if applicable)  | 14. <input type="checkbox"/> Information Disclosure Statement<br>(with Copies of Citations as necessary)   |
|   | 15. <input type="checkbox"/> Preliminary Amendment Total Pages:  | 16. <input checked="" type="checkbox"/> Return Receipt Postcard<br>(Should be specifically itemized)   |
|   | 17. <input type="checkbox"/> Certified Copy of Priority document(s)<br>(if foreign priority is claimed)  | 18. <input type="checkbox"/> Other:  |

**ACCOMPANYING APPLICATION PARTS**

- For continuation or divisional applications: The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference

**CORRESPONDENCE ADDRESS**

ATTY NAME	Maria S. Swiatek, Reg. No. 37,244 For Aldo J. Test, Reg. No. 18,048	SIGNATURE: 	DATE February 20, 2004
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TELEPHONE	(650)494-8700		
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15992  
U.S. PTO

**APPLICATION  
FEE TRANSMITTAL SHEET  
(FY 2004)**

Complete if Known	
Application No.	Not yet assigned
Filing Date	Herewith
First Named Inventor	PETER C. SALMON
Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Atty. Docket Number	34091/AJT (465403- )

METHOD OF PAYMENT (Check One)			FEE CALCULATION (Continued)																																																																																																																				
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:            Deposit Account No.: 50-2319            Deposit Account Name: DORSEY &amp; WHITNEY LLP</p> <p><input checked="" type="checkbox"/> Charge any additional fee required under 37 C.F.R. 1.16 and 1.17  <input checked="" type="checkbox"/> Applicant claims small entity status (see 37 C.F.R. 1.27)</p> <p>2. <input checked="" type="checkbox"/> Check Enclosed</p>			<p style="text-align: center;"><b>3. ADDITIONAL FEES</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 15%;">Large Entity Fee</th> <th style="text-align: left; width: 15%;">Small Entity Fee</th> <th style="text-align: left;">Fee Description</th> <th style="text-align: left;">Fee paid</th> </tr> </thead> <tbody> <tr><td>50</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>130</td><td>65</td><td>Surcharge – Late nonprovisional filing fee or oath</td><td></td></tr> <tr><td>180</td><td>180</td><td>Submission of IDS</td><td></td></tr> <tr><td>40</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>110</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>420</td><td>210</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>950</td><td>475</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1,480</td><td>740</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>2010</td><td>1005</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>770</td><td>385</td><td>Submission After Final 1.129</td><td></td></tr> <tr><td>330</td><td>165</td><td>Notice of Appeal</td><td></td></tr> <tr><td>330</td><td>165</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>290</td><td>145</td><td>Request for oral hearing</td><td></td></tr> <tr><td>110</td><td>55</td><td>Terminal Disclaimer Fee</td><td></td></tr> <tr><td>130</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>50</td><td>50</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>1,330</td><td>665</td><td>Utility/Reissue Issue Fee (including advance copies)</td><td></td></tr> <tr><td>480</td><td>240</td><td>Design Issue Fee (inc. advance copies)</td><td></td></tr> <tr><td>770</td><td>385</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>300</td><td>300</td><td>Publication fee for early, voluntary, or normal publication</td><td></td></tr> <tr><td>300</td><td>300</td><td>Publication fee for re-publication</td><td></td></tr> <tr><td>110</td><td>55</td><td>Petition to Revive – unavoidable</td><td></td></tr> <tr><td>1,330</td><td>665</td><td>Petition to Revive – unintentional</td><td></td></tr> <tr><td colspan="4" style="text-align: center;">OTHER FEE (specify):</td><td colspan="2"></td></tr> <tr><td colspan="4" style="text-align: center;">Subtotal (3)</td><td colspan="2"></td></tr> <tr> <td colspan="6" style="text-align: right; padding-right: 20px;"> <b>Total Amount of Payment:</b>  <b>\$1119.00</b> </td> </tr> </tbody> </table>			Large Entity Fee	Small Entity Fee	Fee Description	Fee paid	50	25	Surcharge - late provisional filing fee or cover sheet		130	65	Surcharge – Late nonprovisional filing fee or oath		180	180	Submission of IDS		40	40	Recording each patent assignment per property (times number of properties)		110	55	Extension for reply within first month		420	210	Extension for reply within second month		950	475	Extension for reply within third month		1,480	740	Extension for reply within fourth month		2010	1005	Extension for reply within fifth month		770	385	Submission After Final 1.129		330	165	Notice of Appeal		330	165	Filing a brief in support of an appeal		290	145	Request for oral hearing		110	55	Terminal Disclaimer Fee		130	130	Petitions to the Commissioner		50	50	Petitions related to provisional applications		1,330	665	Utility/Reissue Issue Fee (including advance copies)		480	240	Design Issue Fee (inc. advance copies)		770	385	Request for Continued Examination (RCE)		300	300	Publication fee for early, voluntary, or normal publication		300	300	Publication fee for re-publication		110	55	Petition to Revive – unavoidable		1,330	665	Petition to Revive – unintentional		OTHER FEE (specify):						Subtotal (3)						<b>Total Amount of Payment:</b> <b>\$1119.00</b>					
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**Submitted by:**

Name: Maria S. Swiatek, Reg. No. 37,244 for Aldo J. Test	Reg. No.: 18,048	Telephone: 650-494-8700
DORSEY & WHITNEY LLP	Four Embarcadero Center, Suite 3400 San Francisco, California 94111-4187	Customer Number 32940
Signature:		Date: February 20, 2004